

AMENDMENTS TO THE CLAIMS

Claims 1-12 (Canceled)

13. (New) A ceramic infrared sensor, having a lens body, comprising ceramic, a supporting part, which supports said lens body, and a detection part, which detects the light that has been transmitted through said lens body, and wherein a pigment that shields visible light is contained in said lens body, said pigment in the lens body in a range of 0.001 to 1 mass %.

14. (New) A ceramic infrared sensor, having a lens body, which is comprised of a ceramic part and a resin layer that covers at least the light receiving surface of the ceramic part, a supporting part, which supports said lens body, and a detection part, which detects the light that has been transmitted through said lens body, and wherein a pigment that shields visible light is contained in the ceramic part and/or resin layer of said lens body, said pigment in the lens body in a range of 0.05 to 2 mass %.

15. (New) A ceramic infrared sensor as set forth in claim 13, wherein the linear transmittance of light of 8 to 12 μm wavelength of said lens body is 50% or more.

16. (New) A ceramic infrared sensor as set forth in claim 15, wherein the main component of said ceramic is zinc sulfide (ZnS).

17. (New) A ceramic infrared sensor as set forth in claim 14, wherein the linear transmittance of light of 8 to 12 μm wavelength of said lens body is 50% or more.

18. (New) A ceramic infrared sensor as set forth in claim 17, wherein the main component of said ceramic is zinc sulfide (ZnS).

19. (New) A ceramic infrared sensor as set forth in claim 13, wherein the linear transmittance of light of 3 to 5 μm wavelength of said lens body is 50% or more.

20. (New) A ceramic infrared sensor as set forth in claim 19, wherein the main component of said ceramic is spinel (MgAl_2O_4).

21. (New) A ceramic infrared sensor as set forth in claim 14, wherein the linear transmittance of light of 3 to 5 μm wavelength of said lens body is 50% or more.

22. (New) A ceramic infrared sensor as set forth in claim 21, wherein the main component of said ceramic is spinel (MgAl_2O_4).

23. (New) A ceramic infrared sensor as set forth in claim 13, wherein said supporting part is comprised of resin.

24. (New) A ceramic infrared sensor as set forth in claim 23, wherein said supporting part is made integral with said resin.

25. (New) A ceramic infrared sensor as set forth in claim 23, wherein the main component of said resin is polyethylene.

26. (New) (New) A ceramic infrared sensor as set forth in claim 24, wherein the main component of said resin is polyethylene.

27. (New) A ceramic infrared sensor as set forth in claim 25, wherein the said polyethylene is high-density polyethylene.

28. (New) A ceramic infrared sensor as set forth in claim 14, wherein said supporting part is comprised of resin.

29. (New) A ceramic infrared sensor as set forth in claim 28, wherein said supporting part comprised of resin is made integral with said resin layer that covers at least the light receiving surface of the ceramic part.

30. (New) A ceramic infrared sensor as set forth in claim 28, wherein the main component of said resin is polyethylene.

31. (New) A ceramic infrared sensor as set forth in claim 30, wherein the said polyethylene is high-density polyethylene.

32. (New) A ceramic infrared sensor as set forth in claim 29, wherein the main component of said resin is polyethylene.

33. (New) A ceramic infrared sensor as set forth in claim 32, wherein the said polyethylene is high-density polyethylene.

34. (New) A ceramic infrared sensor as set forth in claim 13, wherein said supporting part is comprised of metal.

35. (New) A ceramic infrared sensor as set forth in claim 13, wherein said supporting part includes a cylindrical part, which is formed between the portion of said lens body that transmits light and said detection part.

36. (New) A ceramic infrared sensor as set forth in claim 35, wherein said cylindrical part is comprised of resin.

37. (New) A ceramic infrared sensor as set forth in claim 36, wherein the main component of said resin is polyethylene.

38. (New) A ceramic infrared sensor as set forth in claim 14, wherein said supporting part includes a cylindrical part, which is formed between the portion of said lens body that transmits light and said detection part.

39. (New) A ceramic infrared sensor as set forth in claim 38, wherein said cylindrical part is comprised of resin.

40. (New) A ceramic infrared sensor as set forth in claim 39, wherein said cylindrical part is made integral with said supporting part and said resin layer.

41. (New) A ceramic infrared sensor as set forth in claim 40, wherein the main component of said resin is polyethylene.

42. (New) A ceramic infrared sensor as set forth in claim 41, wherein the said polyethylene is high-density polyethylene.

43. (New) A ceramic infrared sensor as set forth in claim 40, wherein the main component of said resin is polyethylene.

44. (New) A ceramic infrared sensor as set forth in claim 43, wherein the said polyethylene is high-density polyethylene.